Network Control Center

STDN DAILY REPORT
FOR GMT DAYS
26, 27 AND 28 MARCH , 2001

Part I. Operations

26 March

A. SN Anomalies:

1. XTE Support 26/123238-123624Z

At SHO start spectrum analyzer showed unusual RF fluctuations. Return chains locked and dropped several times before RF settled down and both chains locked. Spectrum showed what appeared to be another RF signal sweeping through causing the fluctuations. TTR # 23775

171 1232-1249Z 4 Mins. 16 Secs. Service/Data Loss Recoverable (Unk)

2. NCC Operator Error 26/2200-2217Z

CSC (NCC) personnel failed to follow proper procedure when performing an in-house Server failover. This prevented HST from reconfiguring. Station performed required reconfigurations. Reset of Event Monitor on the VAX system restored capability. TTR # 23776

TDW MAR5 2136-2228Z 17 Mins. Service Loss 3 Mins. 17 Secs Data Non-Recoverable

B. ISS Anomalies

1. NCC Operator Error 26/2200-2217Z

CSC (NCC) personnel failed to follow proper procedure when

performing an in-house Server failover. This prevented ISS from reconfiguring. Station performed required reconfigurations. Reset of Event Monitor on the VAX system restored capability. TTR # 23776

TDS KSAF1 2156-2245Z 17 Mins Service Loss

C. GN Anomalies

1. AGS/QST Support 26/0615-0621Z

At start of pass azimuth would not track satellite. Placing SCC into program track did not allow dish to track in azimuth. Cycling controls for azimuth from rate to standby, and back to rate did not help. Manually moving dish in azimuth allowed the dish to move in azimuth, placed antenna into program mode, and we reacquired the satellite for the remainder of the pass. QMOC will reschedule the 2M and 262 on another pass. TTR # 23774 CDS ID# 18386

11M 6 Mins. Service/Data Loss Recoverable

2. SGS/QST Support 26/1809-1815Z

During the pass, the station stopped frame syncing the data in the GTDU (The sync appears shifted by 2 bytes in the GTDU). The first consequence was a message "sync lost and found" in the 512-byte stream. The diag data was never transferred by OIS to OASIS. TTR # 23777 CDS # 18389

11 Meter 1800-1815Z 6 Mins Svc Loss

3. WGS/TRACE Support 26/2302-2313Z

Short frame count; expected 75000, received 57000. Data Loss: approx 18000 frames. TRACE OPS called on Monday to report short frame count from day 082 support. Investigation revealed that TOTS-3 FEP Nr.1 only processed 57000 frames. TOTS operator has completed a playback,from tapes, thru FEP Nr.1 and 2, and 2 different bit syncs with same results. Unable to find cause of problem within the TOTS System.TTR # 23778

CDS # 18390

TOTS 11 Mins Svc Loss

27 March

A. SN Anomalies:

1. HST Support 27/0151-0153Z

HST experience intermittent dropouts for a total of 00:02:14 near the end of their support. TTR # 23779 DR # 42834.

TDW MAR4 0101-0153Z 1 Min. Svc/Data Loss (Non-Recov)
TDW MAR4 0101-0153Z 1 Min 14 Secs Svc/Data Loss (Recov)

2. ERBS Support 27/2136-213904Z

The POCC reported NEG ACQ. CSC requested the POCC to send FWD REACQ, had very low RF on MAR 4. MAR 5 chain spun up but didn't lock, then MAR 3 spun up with no lock. The POCC sent 2nd FWD REACQ, MAR 5 spun up again and locked, service failed over to MAR 5, from MAR 4. TTR # 23781
DR # 42834

TDW 2135-2154Z 3 Mins. 4 Secs. Service/Data Loss Recoverable

B. ISS Anomalies - None.

C. GN Anomalies

1. SGS/QST Support 27/1940-1955Z

The Schedule was not transfered to SCC at Init. Error msg on SCC: "CRITICAL SYSTEM ERROR(UIF) Message Sent Failed". The Operator restarted SCC software (ver 3.4) and manually scheduled the SCC. The SCC and ATS software restarted post pass. TTR # 23780 CDS ID# 18392

11M 15 Mins. Service Loss

2. PF1/QKST Support 27/120028-121415Z

Following an engineering change to remove an RF attenuator, the X-band receiver autotrack threshold was not adjusted for the increased sensitivity. During the pass the antenna began autotracking X-band noise and lost the S-band downlink signal. TTR # 23782 CDS ID# 18394

PF1 13 Mins. 47 Secs. Service/Data Loss Recoverable

28 March

A. SN Anomalies:

1. WSGT/TERRA Support 28/1905-191131Z

TERRA was unable to send commands due to data clock line problem. The SSA2 Forward Path failover from “D” to “B” allowed commands to be retransmitted. TTR # 23784

TDW SSA2F/R 1905-1917Z 6 Mins. 31 Secs. Service Loss

B. ISS Anomalies - None.

C. GN Anomalies

1. AGS/EO1 Support 28/0739-0752Z

During EO1 passes when the carrier is sweeping and than decaying for coherent sweep, the SCC has scrolling errors in the system messages windows. We get the error's "unactask zzz" "HPIB bus reset (37)(0)" "SICL error = 15". These 3 alarms/errors will scroll during the sweep segment of the pass. There is no documentation on which instrument is causing the error. The type =37 and 0 = instance should indicate the instrument, but there is no documentation on crossing the type and instance to the actual

instrument, or instrument address on the bus. We are seeing two other devices that give alarms during passes, and to find out what the equipment was we needed to contact Via Sat, who gave us the needed information. We are now watching the X band tracking receiver, and the two 8780's to see why they are causing so many errors. TTR # 23783 CDS ID# 18398

11M 13 Mins. Service Loss

2. AGS/AM1 Support 28/2003-2014Z

After post pass summary from previouse pass, the station had only 9 minutes to set up for AM1 support. The pass was scheduled for S band only, the project requested X band 10 minutes prior to the pass. When the digital switch was being set up the operator noticed that there was no longer nomenclature for GSIP 1 CMD. By the time the source and target points were found on the patch panel, the master had initialized,the analog switch red boxed and the digital switch although set up with source and target points per the patch panel would not allow commands to theGSIP. The digital switch was opened after the pass and the proper names were put in. The cause of loss of command is under investigation. TTR # 23785 CDS ID# 18409

11M 11 Mins.Service Loss

3. PF1/LSAT-7 Support 28/2103-210335Z

When the Landsat-7 X-band downlink was turned on around 5 degrees elevation, the antenna was not able to track the X-band signal due to interference from a building to the north of the antenna. This resulted in an approximate 2 - 3 second loss of X-band data (recorded at 13:27:47-13:27:49 on the spacecraft). TTR # 23786 CDS ID# 18411

PF1 2103-2114Z 2 Seconds Svc/Data Loss Recov

Part II . Testing Anomalies

A. SN Test - None.

B. GN Test - None.

## Part III. Equipment Status Changes - None.

$ = Changed ETRO
** = New Items

## Part IV. Scheduled Activities:

| | |
|---|---|
| ERBS TAC System Verification Test | 29/1500-2100Z |
| AGS/SGS/WGS TERRA GSIP Parallel Operations Phase II Test | 29/1908-1917Z |
| GOES-M Proficiency Telemetry Flow HANGER-AE-ANTIGUA | 29/1500-1700Z |
| GOES-M I&T Telemetry Tracking and Command Test DSN/GDS | 29/1525-1830Z |
| TDRS S/C H/O DGS OAFS | 29/1600-1924Z<br>2023-2359Z |
| Engineering Test w/JASON-1 POCC | 29/1715-1900Z |
| PF1 AQUA GSIF Data Interface Test | 29/1715-1900Z |
| AQUA MRTT RF S-Band Telemetry Test | 29/1830-2100Z |

## Part V. Launch Forecast Changes:

* 1.) H1435LS (SEALAUNCH/XM-1R) NET 03 MAY 2001 T-0 =

UNKNOWN

* 2.) M2100LS (STS-100/ISS-09-6A) 109 19 APR.,2001 T-0 = 1840:32Z